

On Fine-grain Image Retrieval: A Case Study on Butterflies

—Invited Lecture—

Jieh Hsiang
National Taiwan University

Abstract

Content-based image retrieval has been an important research topic in recent years. While most CBIR approaches target finding similar images in a general collection of pictures, we focus on pinpointing the right image from a set of similar pictures. We call this type of image retrieval fine-grain retrieval.

In this talk we propose a data model and a query model for fine-grain retrieval, and provide some preliminary results on a set of Taiwanese butterfly images. Future directions will also be discussed.